

ABSTRACT

The weak light color imaging device according to the present invention comprises: a white light source (21) having variable output for illuminating a subject A; an excitation light source (22) for irradiating excitation light onto the subject A; an RGB filter (33) for respectively transmitting the red, green and blue wavelength components of the weak light from the subject A; a light amplifying tube (35) for amplifying the intensity of the light of each respective wavelength component of the weak light from the subject A being transmitted by the RGB filter (33); a CCD camera (37) for capturing images of the respective amplified wavelength components from the subject A; an RGB frame memory (41) for respectively storing image signals of the respective wavelength components thus captured; a scan converter (44) for superimposing the image signal of the respective wavelength components stored by the RGB frame memory (41), and converting the scanning thereof to a color image signal; and a monitor (27) for displaying the color image signal as a color image.